

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Recessed**

**Bestell-Nr.: 52TL12DV4FXGD**  
**EAN: 4058352891025**

**LP-Nummer**  
**59101\_302**



**Ausführung** Abdeckung satiniert, breit strahlend, hoher Sehkomfort

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** AC-Betrieb

**Bemessungswerte** Nettolichtstrom = 15420 lm  
Systemleistung = 85.3 W  
Lichtausbeute = 180.8 lm/W

**Seriendokumentation**  
**10.08.2023**

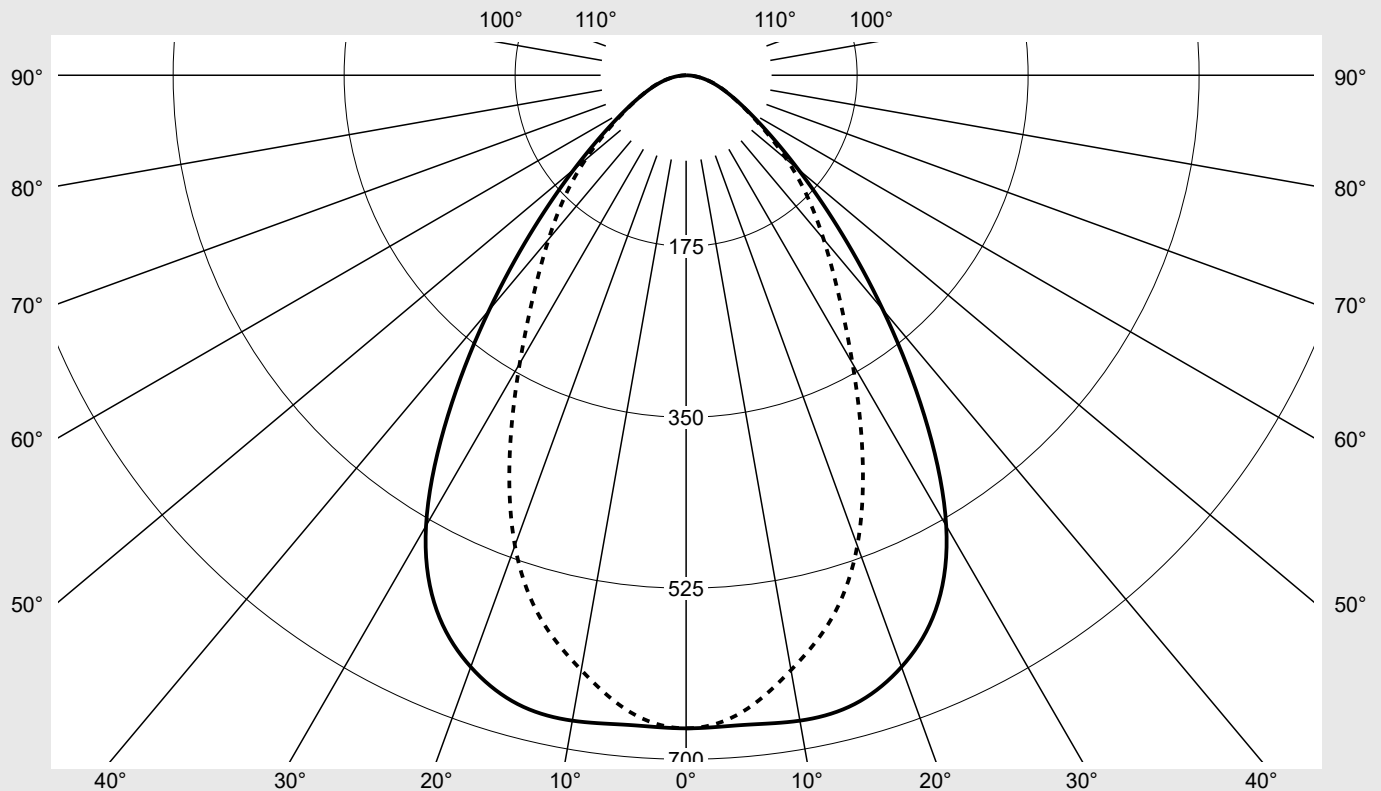
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 671 cd/klm**



**Klassifizierungen**

DIN 5040 A 6 0  
CIE N1=72 N2=92 N3=99  
N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® 21 Recessed</b>	<b>Bestell-Nr.: 52TL12DV4FXGD</b> <b>EAN: 4058352891025</b>	<b>LP-Nummer</b> <b>59101_302</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Recessed	<b>Bestell-Nr.: 52TL12DV4FXGD</b> <b>EAN: 4058352891025</b>	<b>LP-Nummer</b> 59101_302
--	--	-------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,8	23,3	22,2	23,6	23,9	21,8	23,2	22,1	23,5	23,8
	3H	22,4	23,7	22,8	24,0	24,4	22,6	23,8	22,9	24,2	24,5
	4H	22,7	23,9	23,1	24,2	24,6	22,9	24,1	23,3	24,4	24,8
	6H	23,0	24,0	23,4	24,4	24,8	23,2	24,2	23,6	24,6	25,0
	8H	23,1	24,1	23,6	24,5	24,9	23,3	24,3	23,7	24,7	25,1
	12H	23,2	24,1	23,6	24,5	24,9	23,3	24,2	23,8	24,6	25,1
4H	2H	22,0	23,2	22,4	23,5	23,9	22,0	23,2	22,4	23,5	23,9
	3H	22,7	23,7	23,1	24,0	24,5	22,9	23,9	23,4	24,3	24,7
	4H	23,0	23,9	23,5	24,3	24,7	23,4	24,3	23,8	24,7	25,1
	6H	23,3	24,1	23,8	24,5	25,0	23,7	24,5	24,2	24,9	25,4
	8H	23,5	24,2	24,0	24,6	25,1	23,9	24,5	24,3	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,5	24,4	25,0	25,5
8H	4H	23,1	23,8	23,6	24,2	24,7	23,4	24,1	23,9	24,6	25,0
	6H	23,5	24,0	23,9	24,5	25,0	23,9	24,4	24,4	24,9	25,4
	8H	23,6	24,1	24,1	24,6	25,1	24,0	24,5	24,5	25,0	25,5
	12H	23,8	24,2	24,3	24,7	25,2	24,2	24,6	24,7	25,1	25,6
12H	4H	23,1	23,7	23,6	24,2	24,7	23,5	24,0	23,9	24,5	25,0
	6H	23,5	23,9	24,0	24,4	25,0	23,9	24,3	24,4	24,8	25,4
	8H	23,6	24,0	24,2	24,5	25,1	24,1	24,5	24,6	25,0	25,5

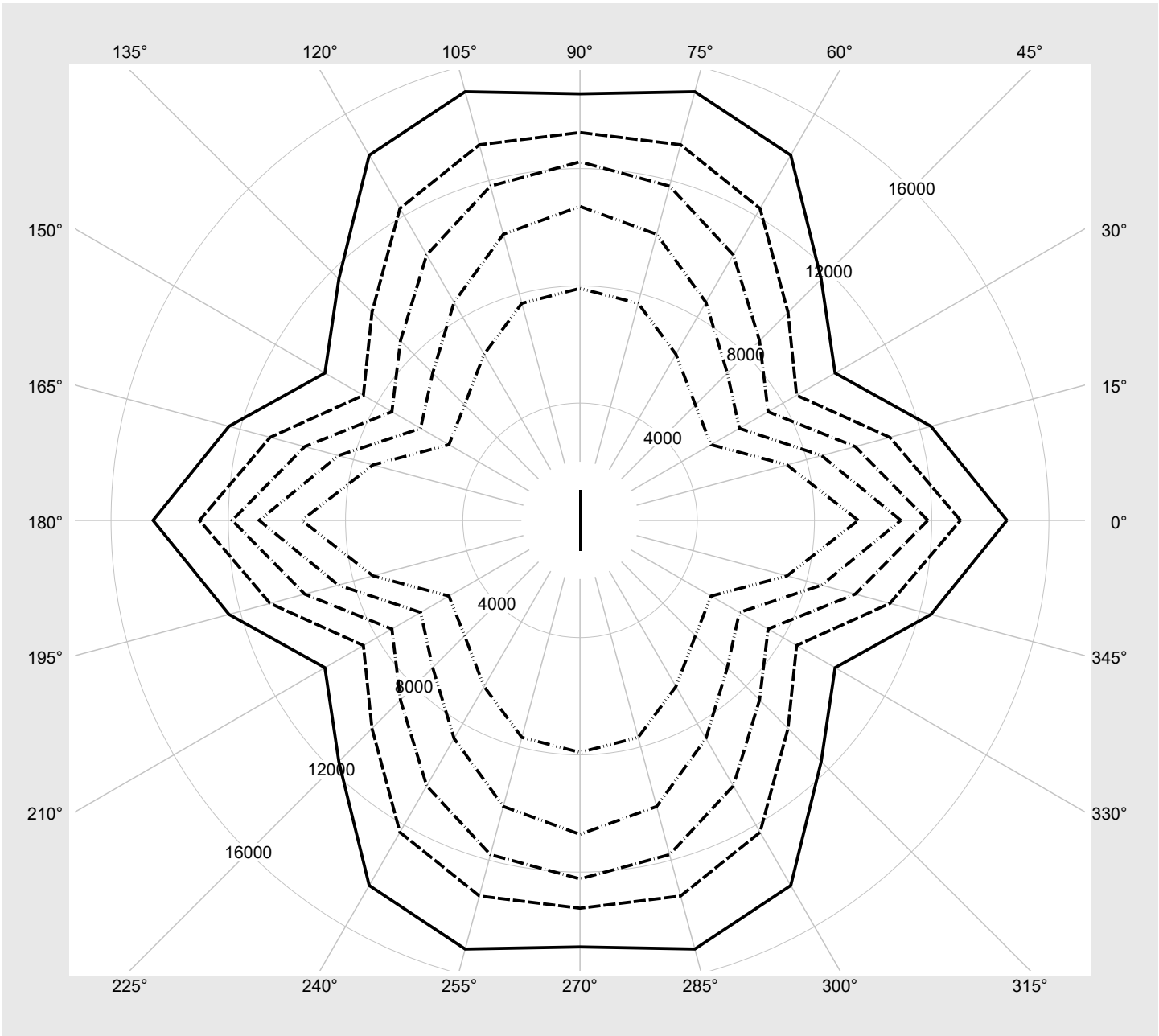
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 2250 B = 58
--	--

C- Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1	
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8	
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8	
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9	
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4	
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2	
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6	
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8	
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8	

**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>Licross® 21 Recessed</b>	<b>Bestell-Nr.: 52TL12DV4FXGD</b> <b>EAN: 4058352891025</b>	<b>LP-Nummer</b> <b>59101_302</b>
---	--	--------------------------------------

Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Recessed	<b>Bestell-Nr.: 52TL12DV4FXGD</b> <b>EAN: 4058352891025</b>	<b>LP-Nummer</b> <b>59101_302</b>
--	--	--------------------------------------

<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	15420	85.3
95	240	252	14644	80.7
90	226	250	13858	76.1
85	213	248	13119	71.7
80	199	245	12316	67.0
75	186	243	11558	62.7
70	173	240	10797	58.3
65	160	237	10030	54.0
60	147	234	9255	49.7
55	134	231	8471	45.4
50	122	227	7739	41.4
45	109	223	6940	37.3
40	97	219	6198	33.4
35	84	213	5386	29.2
30	72	208	4628	25.3
25	60	201	3866	21.5
20	48	193	3098	17.4
15	36	182	2325	13.3
10	24	168	1547	9.0
5	12	142	764	4.4
2	4	102	236	1.4